

DATA EVALUATION RECORD

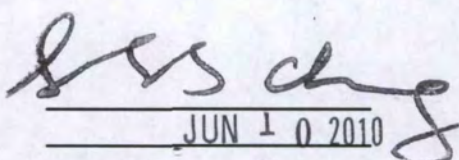
SLUGKIL 5
(NEU 1182 M)

STUDY TYPE: ACUTE ORAL TOXICITY - RAT (870.1100)
MRID 47942004

Prepared for
Biopesticides and Pollution Prevention Division
Office of Pesticide Programs
U.S. Environmental Protection Agency
One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202

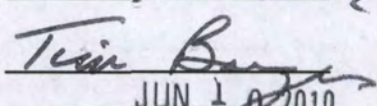
Prepared by
Toxicology and Hazard Assessment Group
Environmental Sciences Division
Oak Ridge National Laboratory
Oak Ridge, TN 37831
Task Order No. 10-006

Primary Reviewer:
Susan Chang, M.S.

Signature: 

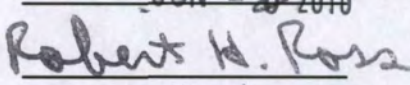
Date: JUN 10 2010

Secondary Reviewers:
H. Tim Borges, Ph.D., M.T.(A.S.C.P.), D.A.B.T.

Signature: 

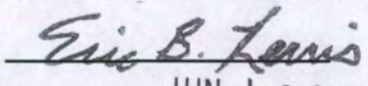
Date: JUN 10 2010

Robert H. Ross, M.S., Group Leader

Signature: 

Date: JUN 10 2010

Quality Assurance:
Eric Lewis, M.S.

Signature: 

Date: JUN 10 2010

Disclaimer

This review may have been altered subsequent to the contractor's signatures above.

DATA EVALUATION RECORD

EPA Secondary Reviewer:

| | |
|----------------------------------|---|
| STUDY TYPE: | Acute Oral Toxicity – Rats (OPPTS 870.1100) |
| MRID NO: | 47942004 |
| DP BARCODE NO: | DP 373925 |
| DECISION NO: | 425380 |
| SUBMISSION NO: | 866102 |
| TEST MATERIAL: | NEU 1182 M (EPA Reg. No. 67702-GG) |
| PROJECT NO: | 12326-08 |
| SPONSOR: | Neudorff GmbH KG, Postfach 1209, An der Mühle 3, D-31860 Emmerthal, Germany |
| TESTING FACILITY: | Stillmeadow, Inc., 12852 Park One Drive, Sugar Land, TX 77478 |
| TITLE OF REPORT: | Acute Oral Toxicity |
| AUTHOR: | Janice O. Kuhn |
| STUDY COMPLETED: | November 19, 2008 |
| GOOD LABORATORY PRACTICE: | GLP Compliant |
| CONCLUSION: | The oral LD ₅₀ for female rats was greater than 5000 mg/kg. |
| CLASSIFICATION: | ACCEPTABLE -- TOXICITY CATEGORY IV |

I. STUDY DESIGN:

1. **Test Material:** NEU 1182 M, Chargen-Nr.: 070507
2. **Test Animals:** Three female Sprague-Dawley rats were received from Texas Animal Specialties, Humble, TX, and weighed 163-177 g on the day of dosing. The young adult animals, approximately 9 weeks old, were housed individually in suspended stainless steel cages with wire bottoms. The animals were fed PMI Feeds Inc.TM Formulab No. 5008, *ad libitum*. Municipal water was available *ad libitum*. The environmental conditions of the animal room were as follows: temperature, 22±3°C; relative humidity, 49-88% (outside protocol range but did not affect the outcome of the study); air changes, 10-12 per hour; and photoperiod, 12 hour light/dark cycle.
3. **Methods:** Rats were ear-punched: Nos. 1, 2, and 3, acclimated for 5 days, and fasted overnight prior to dosing. The test material was dosed at 5000 mg/kg body weight by gavage as a 40% w/v mixture in deionized water (Table 1). Body weight was recorded prior to dosing, and on days 7 and 14. The test animals were observed for mortality and clinical signs of toxicity at least three times on the day of dosing and daily thereafter for 14 days. All animals were necropsied.

II. RESULTS:

1. **Mortality:** All rats survived the study.

| TABLE 1. Doses, mortality/animals treated | | | |
|---|-------|---------|----------|
| Dose (mg/kg) | Males | Females | Combined |
| 5000 | - | 0/3 | - |

Data taken from p. 12, MRID 47942004.

2. **Body Weight:** All rats gained weight during the study.
3. **Clinical Observations:** All rats appeared normal throughout the study.
4. **Gross Necropsy:** No observable abnormalities were noted at necropsy.

III. DISCUSSION:

The oral LD₅₀ for female rats was greater than 5000 mg/kg. This places NEU 1182 M in TOXICITY CATEGORY IV. The packet classification is **ACCEPTABLE**.